

ELECTROMAGNET HAVING SPACER FOR FACILITATING COOLING AND
ASSOCIATED COOLING METHOD

ABSTRACT OF THE DISCLOSURE

An electromagnet and associated apparatus and method are provided. The electromagnet includes a core and at least one winding disposed circumferentially about the core such that the winding extends at least one revolution around the core. The electromagnet further includes at least one spacer having channels defined therein and disposed circumferentially about the core and adjacent to the at least one winding. The channels facilitate cooling by directing fluid about the windings of the coil as fluid is introduced into the electromagnet.

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